

## CLAIMS

I claim:

1. A method comprising the steps of:  
initiating a request for a service;  
transmitting said request for a service; and  
authenticating said request for a service.
2. The method of claim 1, further comprising collecting payment for said service.
3. The method of claim 1, wherein said service participates in a federated network environment.
4. The method of claim 3, wherein said step of initiating is by a second service on said network.
5. The method of claim 4, wherein said second service is a cellular phone.
6. The method of claim 4, wherein said second service is a Personal Data Assistant.
7. The method of claim 4, wherein said second service is a smart card.

8. The method of claim 3, wherein said step of initiating a request is by the service provider.

9. The method of claim 1, wherein said step of authenticating further comprises:

generating a digital signature; and

verifying said digital signature with a public certificate;

10. A system comprising:  
a network;  
at least one server connected to said network;  
at least one device capable of joining said network; and  
said at least one device communicating with said at least one server in said network for service, wherein obtaining said service requires authentication of the requesting one of said at least one device and said at least one server.

11. The system of claim 10, further comprising collecting payment for said service.

12. The system of claim 10, wherein said device is a cellular phone.

13. The system of claim 10, wherein said device is a Personal Data Assistant.

14. The system of claim 10, wherein said device is a smart card.

15. The system of claim 10, wherein said authentication comprises:  
generating a digital signature of said requesting one;  
transmitting said digital signature to the non-requesting one of said at  
least one device and said at least one server; and  
verifying said digital signature with a public certificate by said non-  
requesting one.

16. A computer program product comprising:  
a computer usable medium having computer readable code embodied  
therein for authentication and payment, said computer program product  
comprising computer readable code configured to cause a computer to:  
process a request for service;  
communicate said request for service;  
authenticate said request for service; and  
process payment for said service.

17. The computer program product of claim 16, wherein said  
communicate said request for service comprises sending a packet over a wireless  
network.

18. The computer program product of claim 16, wherein said  
authenticate said request for service comprises:  
requiring identification for said service; and

comparing a digital signature of said identification with a public certificate.

19. The computer program product of claim 16, wherein said payment is automatically deducted from the benefactor of said service. <sub>y</sub>

20. The computer program product of claim 17, wherein said process a request for service comprises initiating said request to provide service.

83000.1136;P4468/RSH